COMANCHE®
DATA CENTER

USER MANUAL

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1. INTRODUCTION

All of ***BORIN Manufacturing's*** equipment can be integrated together seamlessly to encompass all the requirements of an integrated company. That is from production wells thru the gathering system to the pipeline into the refinery and onto the service stations; all through every type of communication system working together and including the internet.

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2. HOW TO SET UP YOUR SYSTEM

2 .1 Set up your Company's Account

If you have purchased any of the **COMANCHE Remote Monitoring & Control System** units with an interface to the **COMANCHE Data Center** please have the Account Manager contact the customer service department at ***BORIN Manufacturing*** to create an account at:

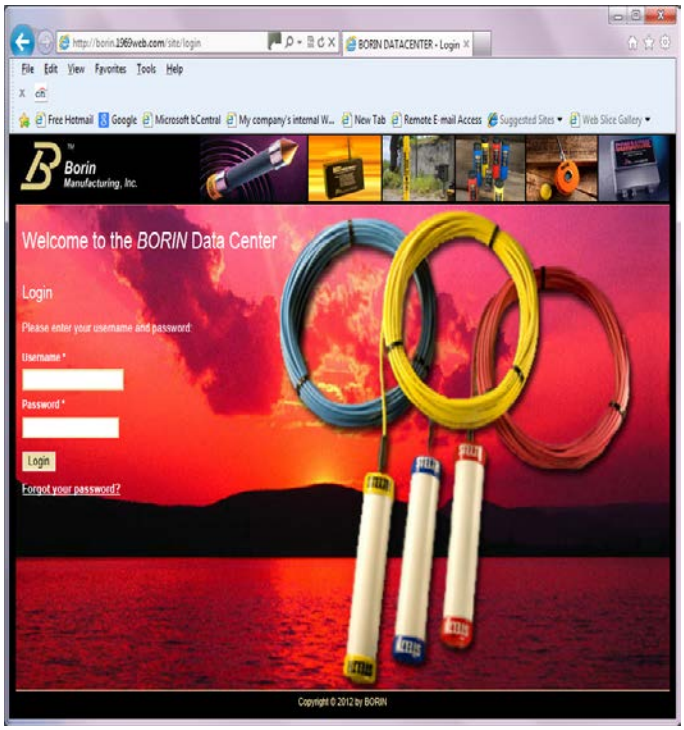
datacenter@borin.com

The Account Manager will receive an e-mail with:

User ID: example
Password: example

The Account Manager can create and manage the **COMANCHE Data Center users** at the My Users tab.

After logging in for the first time it is recommended to set a new password.



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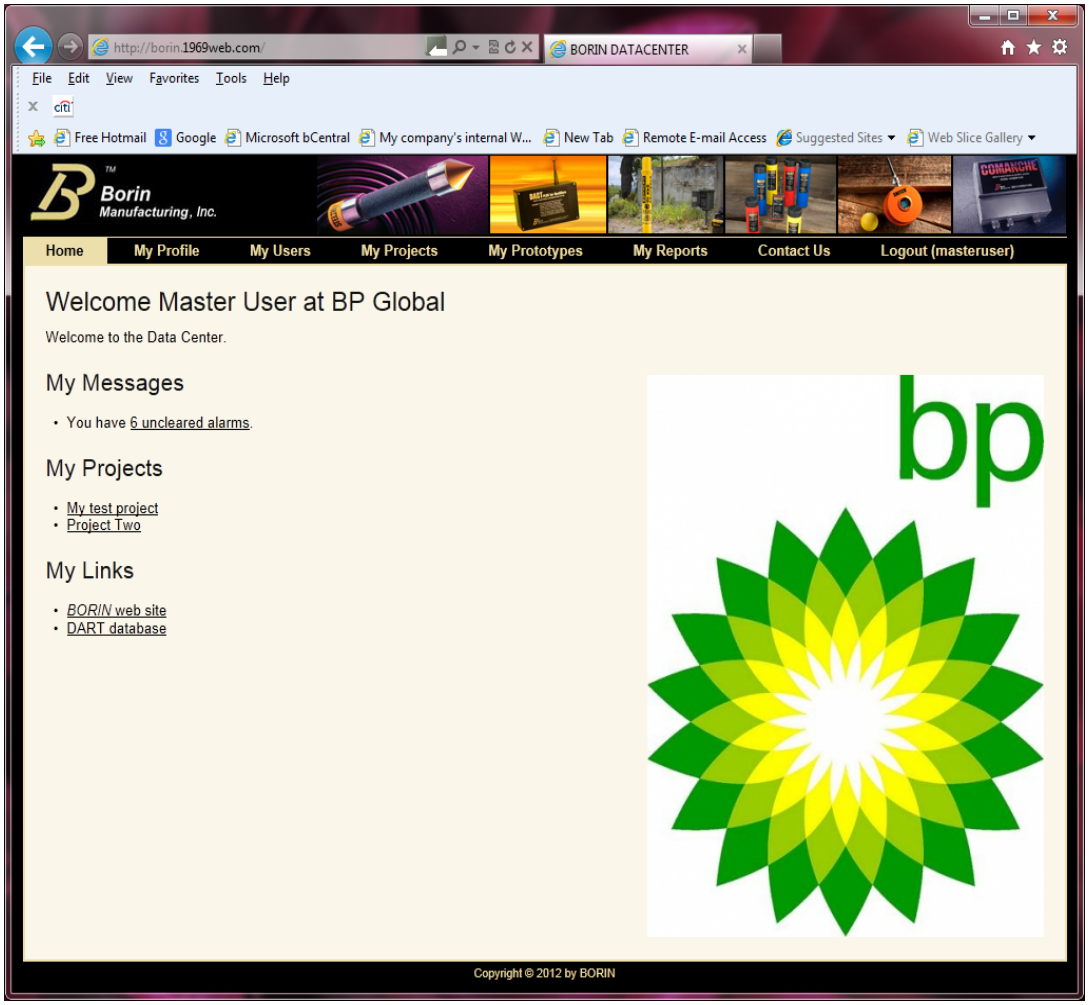
Once you log into the system, you access the Home page with tabs to the different sections of the Data Center as well as a Welcome summary that displays your latest messages and alarms and a list of your projects.



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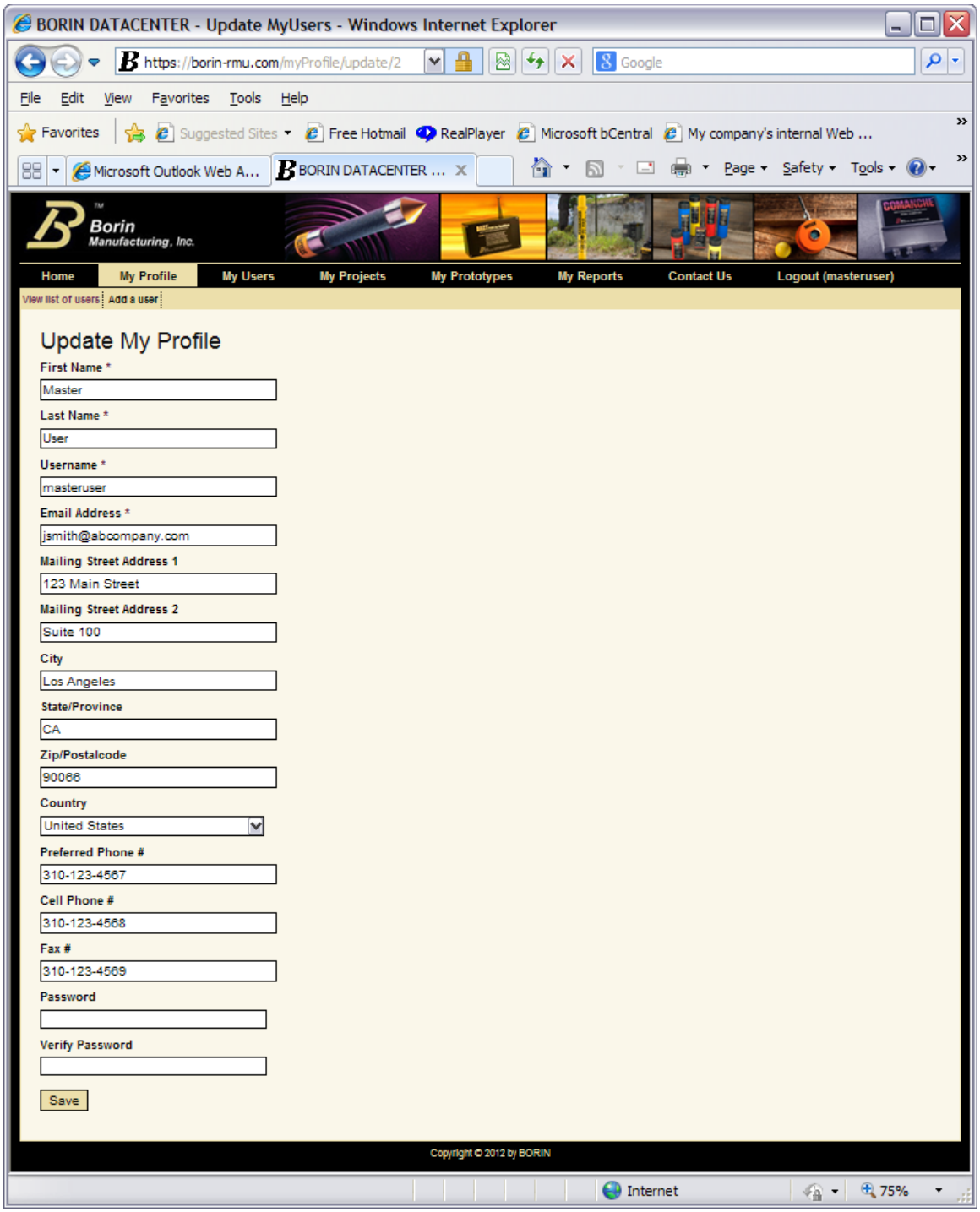
2 .2 Configure your User Profile and Password

After logging in for the first time it is recommended to set a new password, you can change the password and configure and save your profile in the My Profile tab.



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The account manager can Add a user to the **COMANCHE Data Center** from this screen and can manage or add users from the My Users tab.

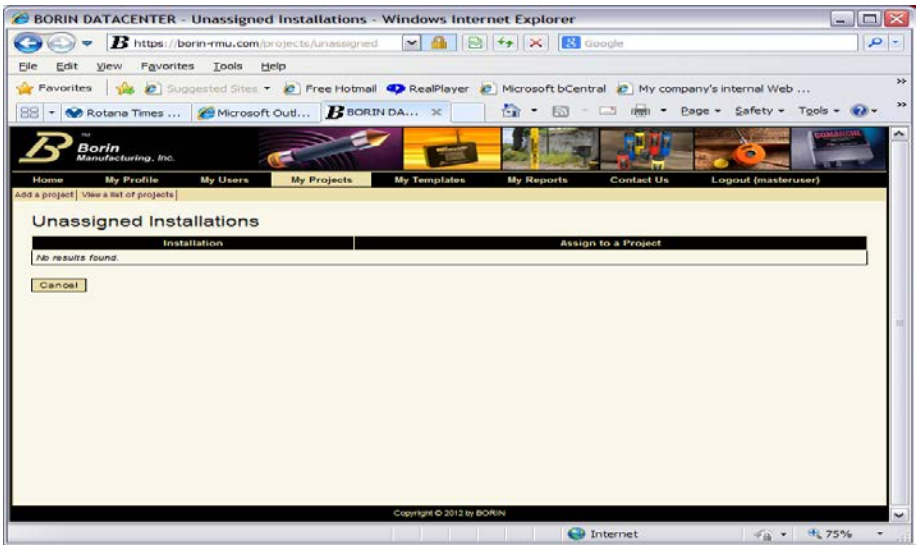
3. HOW TO SET UP YOUR INSTALLATION

3 .1 Register your COMANCHE RMU in the Data Center

Your newly installed **COMANCHE RMU** will automatically report to the **COMANCHE Data Center** as soon as it has been powered and has been connected to the Data Center via the GSM network or a TCP/IP network. For installation instructions follow the **COMANCHE** Installation Manual.

The New **COMANCHE RMU** will be listed as an Unassigned Installation. Go to My Projects tab and click on Unassigned Installations to verify that your RMU has registered in the network. You can assign the installation to an existing project or if you have not created a project, please review the **Create a project** section in this manual.

If you can not find your **COMANCHE RMU** on the Unassigned Installation list, double check the power and GSM signal indicators in your **COMANCHE** unit and accessories as per the **COMANCHE** Installation Manual. If everything appears to be in order and the RMU is still not listed in the Data Center, please call the **COMANCHE Data Center** support at +1 310-822-1000.



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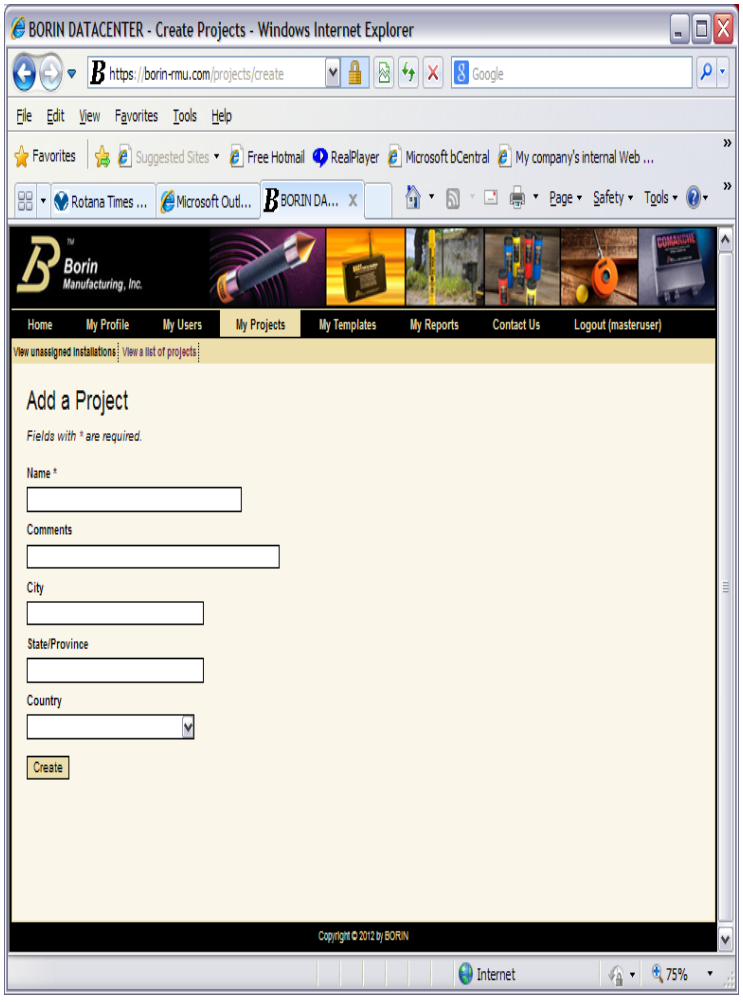
3 .2 Create a project

A Project in the **COMANCHE Data Center** is a group of **COMANCHE** RMCS Installations as defined by the Company or System Manager, for example: by zone, by region, by manager, by facility, etc.

To create a new project, go to the My Projects tab and click on Add a project. Fill out the project information and click on create.



Now you can assign installations to this project as described in **COMANCHE RMU** registration in the Data Center section and continue to Configure your Installation.

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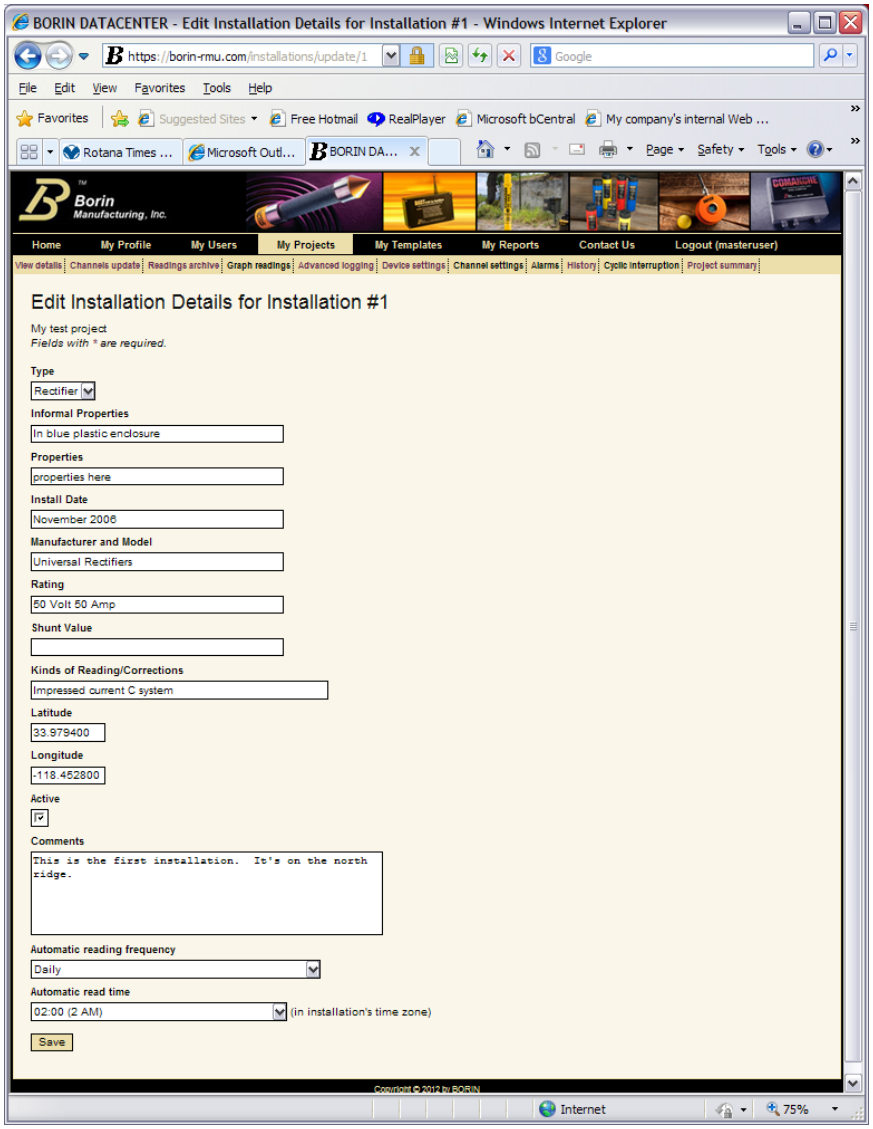
3 .3 Configure your Installations

In this section you will enter all the information related to one **COMANCHE RMU** installation as well as its channel configuration.

Note: If you will be configuring several installations with the same parameters, you ca create a template under My Templates and then push this template to all or some of the installations in a project.

To start configuring your installation, go to My Projects click on the desired project, then click on the desired installation. Go to Edit details, fill out the information and click on save.



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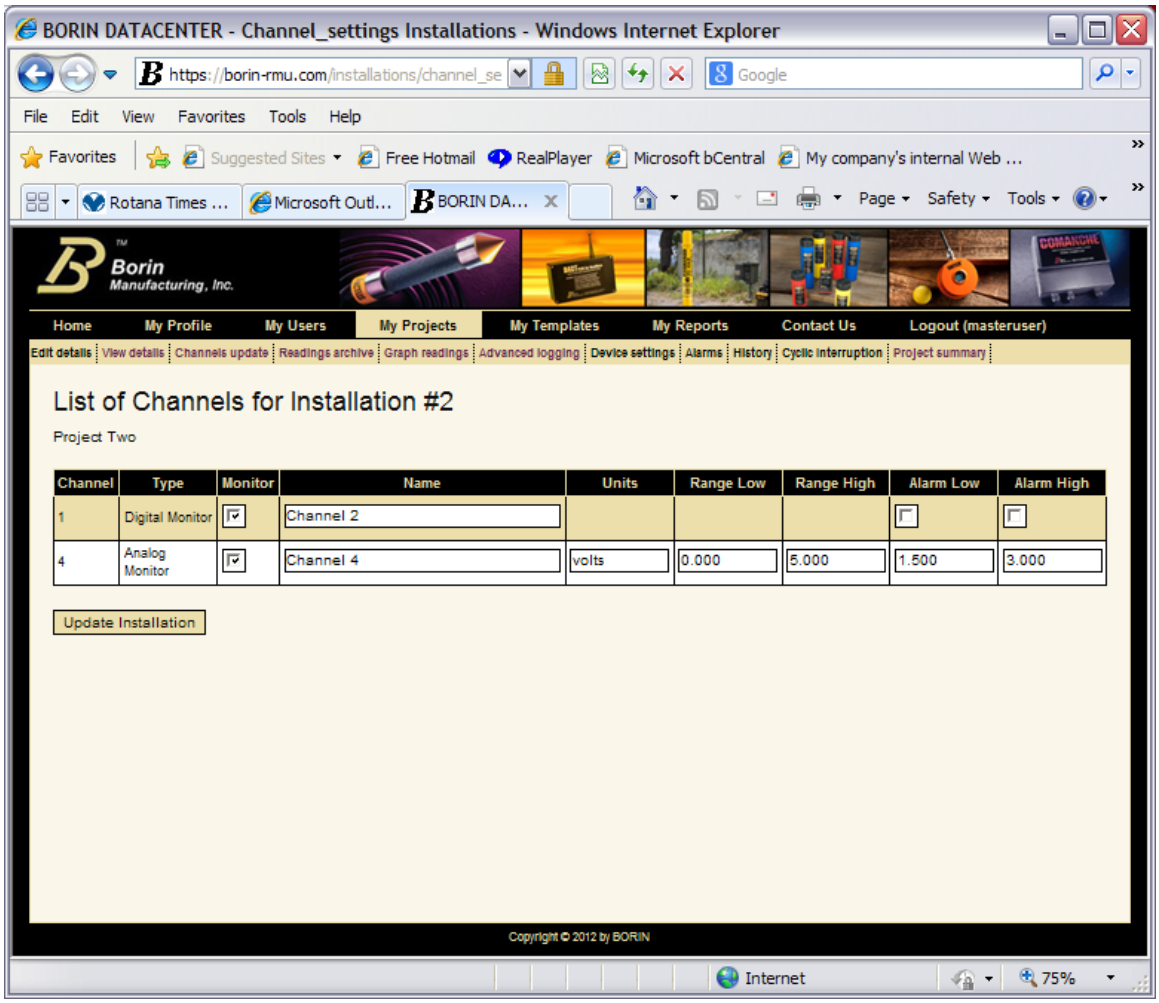
3 .4 Configure your channels

In this section you will configure the channels of a **COMANCHE RMU** installation, like assign names to each channel, channel ranges and alarm parameters.

To set up your channels go to My Projects, click on a project, click on an installation. Go to Channel Settings, and fill out the information; to activate an alarm check the Alarm Low or High box for the corresponding channel. When all the channels have been configured, click on Update Installation.


BORIN DATACENTER - Channel_settings Installations - Windows Internet Explorer
https://borin-rmu.com/installations/channel_se
File Edit View Favorites Tools Help
Borin Manufacturing, Inc.
Home My Profile My Users My Projects My Templates My Reports Contact Us Logout (masteruser)
Edit details View details Channels update Readings archive Graph readings Advanced logging Device settings Alarms History Cyclic interruption Project summary
List of Channels for Installation #2
Project Two
Channel Type Monitor Name Units Range Low Range High Alarm Low Alarm High
1 Digital Monitor Channel 2
4 Analog Monitor Channel 4 volts 0.000 5.000 1.500 3.000
Update Installation
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Internet 75%

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4. HOW TO USE YOUR REMOTE MONITORING & CONTROL SYSTEM AND NAVIGATE THROUGH YOUR DATA CENTER

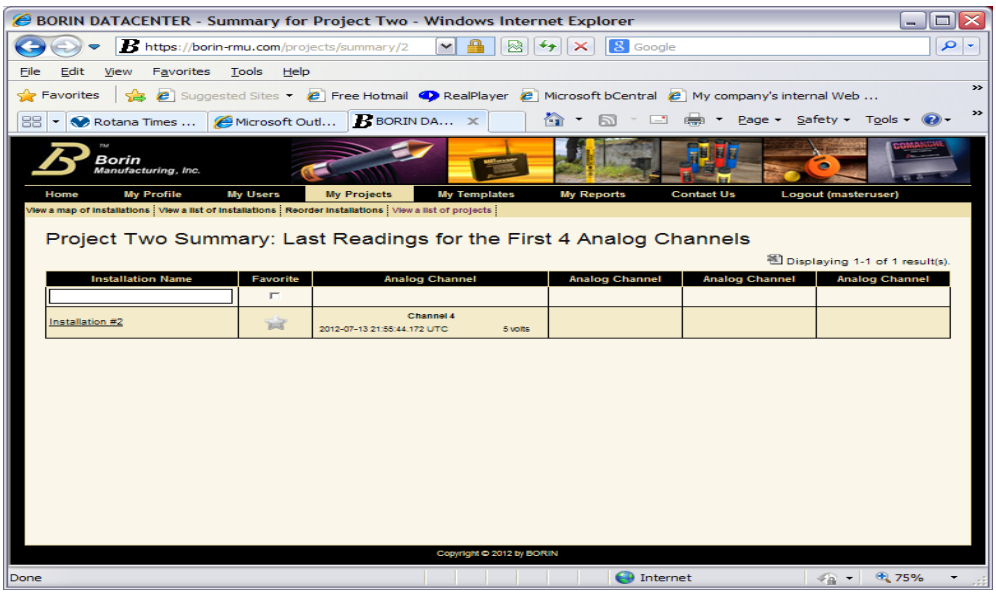
Your **COMANCHE** RMCS will automatically get remote readings from your system at a frequency defined by the Installation Supervisor in the Installation View Details tab (My Projects/click on a project /click on an installation, go to View Details).

The **COMANCHE Data Center** is a powerful tool that allows you to view, organize, sort, manage and report your readings. Here are some examples of how you can access your readings:

4 .1 Project Summary

View multiple installations readings in one screen

The project summary gives you a screen shot of the latest **automatic** readings of **all** the installations in one project (usually taken within the last 24 hours or the frequency set by the Installation Supervisor). This screen will display up to 4 channels for each installation, for example, all the rectifiers assigned to a pipeline project. The readings will be date and time stamped.
To view one of your project summaries go to the My Projects tab and select the project.



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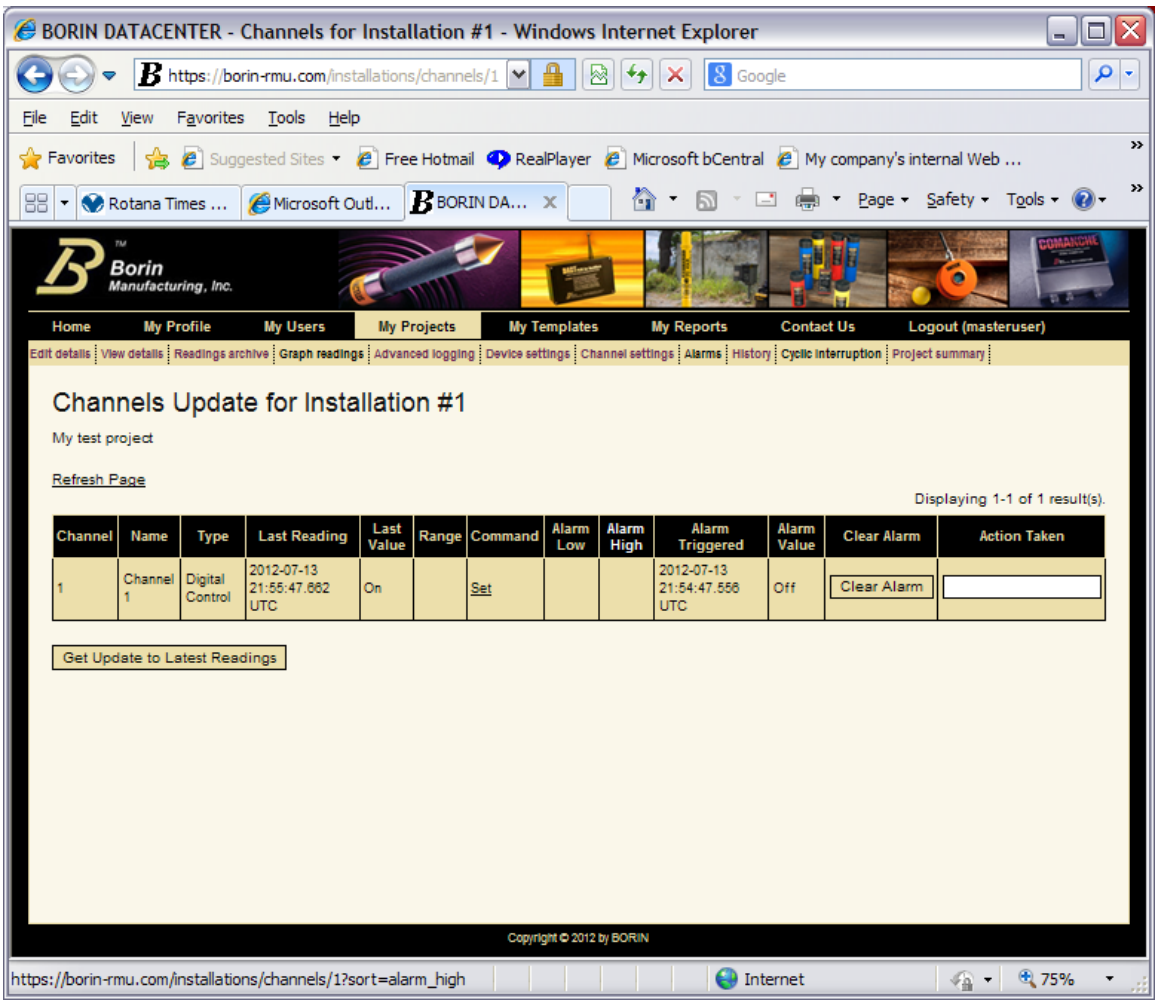
4 .2 Installation Channels Update

The Installation Channels Update gives you the latest **automatic** readings of **all** the channels in **one** installation (usually taken within the last 24 hours or the frequency set by the Installation Supervisor) with the option to get a **live readings update**. This screen will display all the channels, channel ranges, alarm parameters and alarm status. The readings will be date and time stamped.
To view one of your project summaries go to the My Projects tab, select the project and select the installation.
To get live readings just click on the Get Update to Latest Readings button

Alarms can be cleared from this screen, for instructions on how to clear alarms go to the alarms section of this manual.



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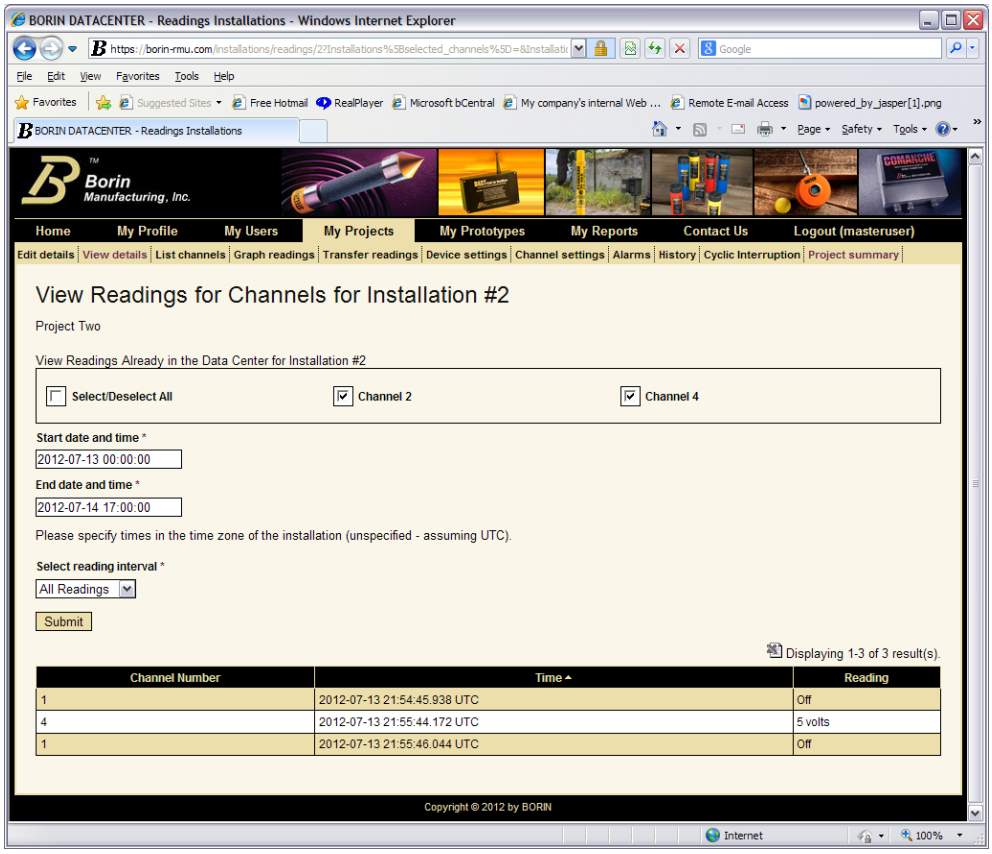
4 .3 Readings Archive

Access your historical readings

The Readings Archive gives you access to the automatic readings stored in the Data Center, for example daily readings per channel per installation. You can select all channels or specific channels of the installation and define a period of time by setting the start and end time. You can also set the frequency of the readings, for example daily, weekly, monthly, etc.
The highest frequency in most cases must coincide with the automatic reading frequency, unless an authorized user has generated an advanced logging function.
The information retrieved can also be exported into excel by clicking on the excel logo on the right hand side of the screen.

To retrieve historic readings go to My Projects, select a project, select an installation, go to Readings archive, define the settings and click on Submit.



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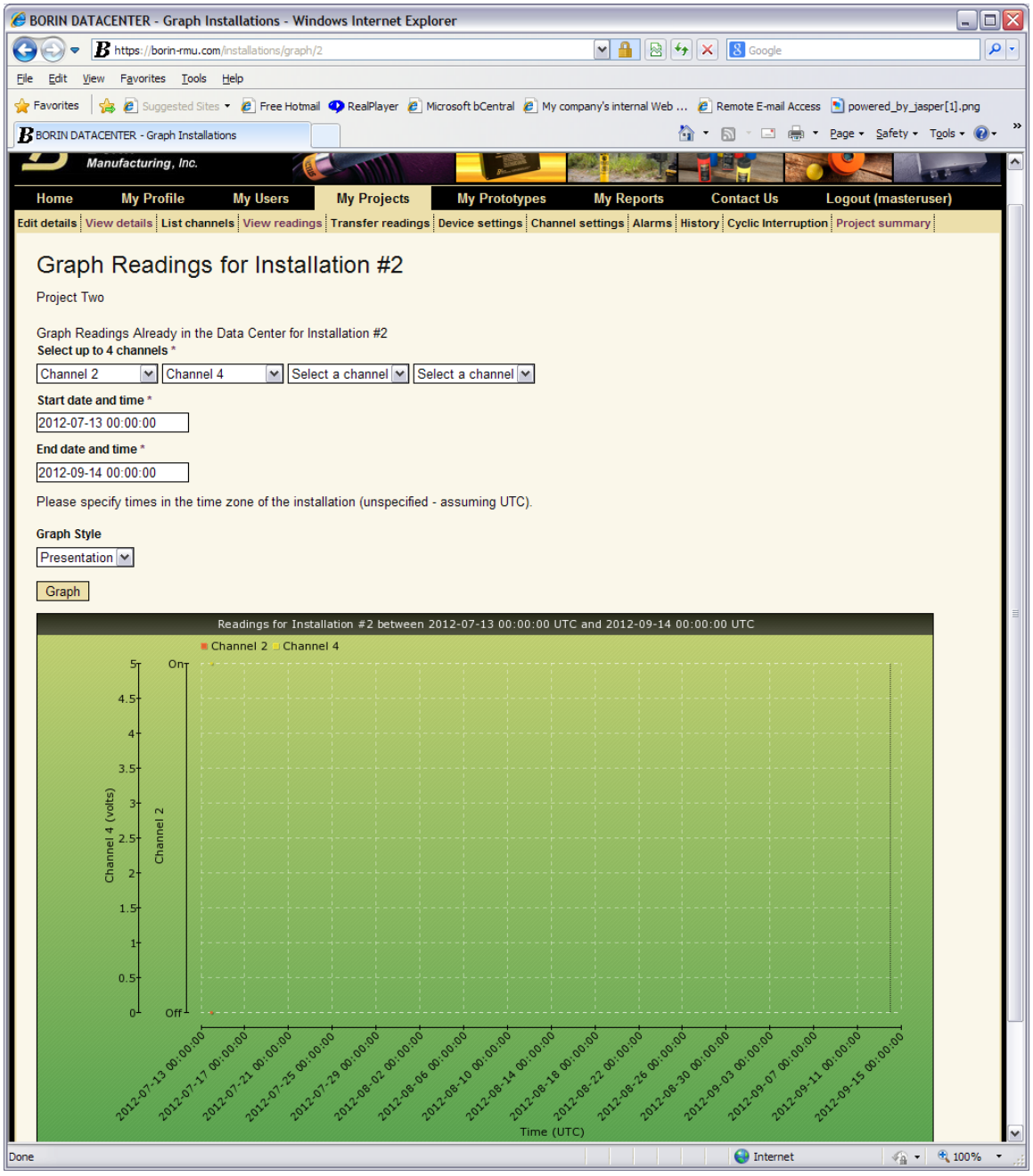
4 .4 Graph Readings

The Graph Readings option will display a graph of historic readings from up to 4 channels in an installation for a selected period of time.
The graphic can be downloaded and saved as an image.
To build a graph, go to My Projects, select a project, select an installation, go to Graph Readings, define the settings and click on Graph.



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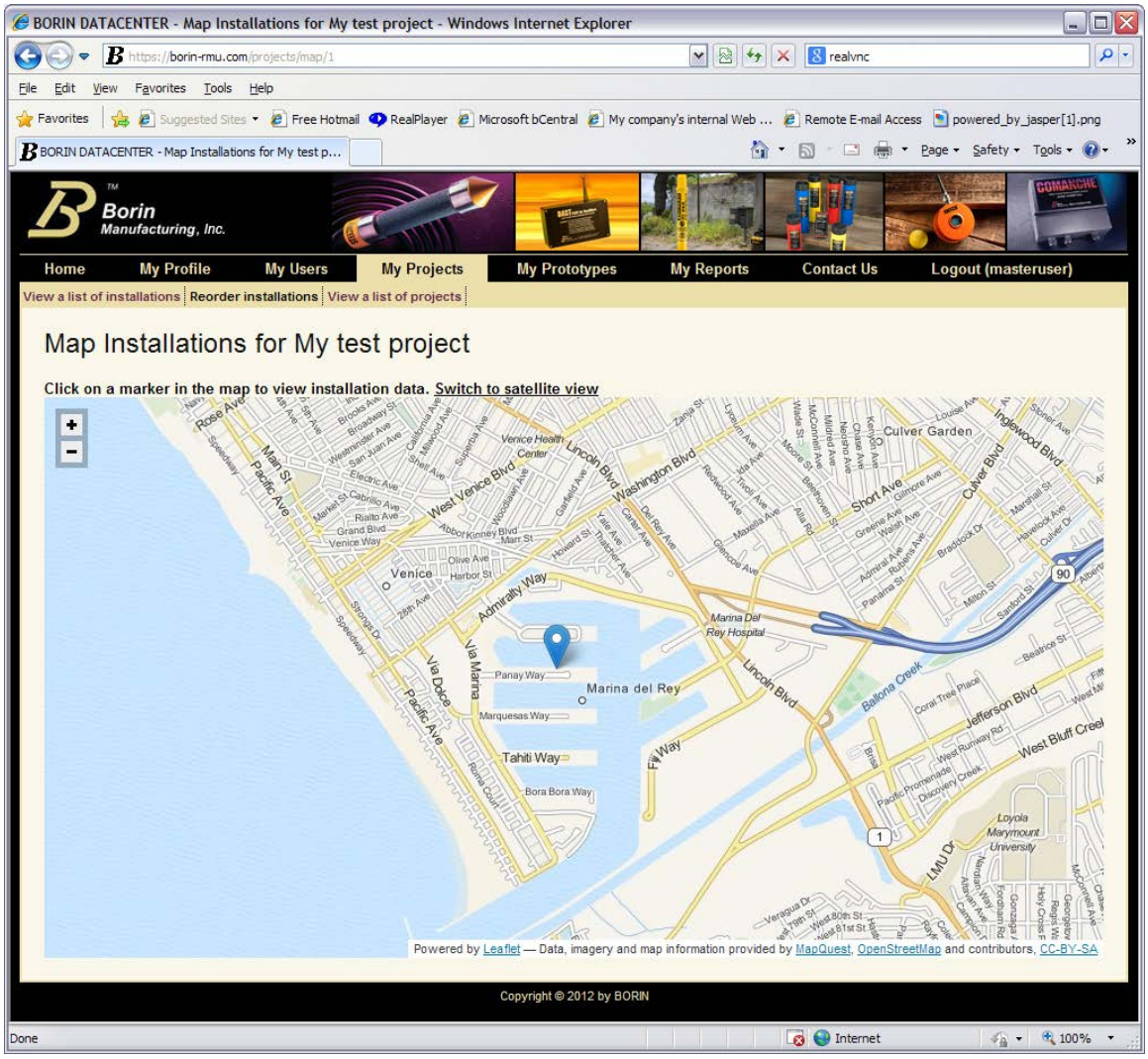
4 .5 View a Map of your Installations

You can locate all the installations of a project on a map using the coordinates set in the Installation Details.
To access the map go to My Projects, select the project and go to View a map of installations.
You can click on the icon to see installation details.


BORIN DATACENTER - Map Installations for My test project - Windows Internet Explorer
Borin Manufacturing, Inc.
Home
My Profile
My Users
My Projects
My Prototypes
My Reports
Contact Us
Logout (masteruser)
View a list of installations
Reorder installations
View a list of projects
Map Installations for My test project
Click on a marker in the map to view installation data. Switch to satellite view
Marina del Rey
Venice
Culver Garden
Powered by Leaflet — Data, imagery and map information provided by MapQuest, OpenStreetMap and contributors, CC-BY-SA
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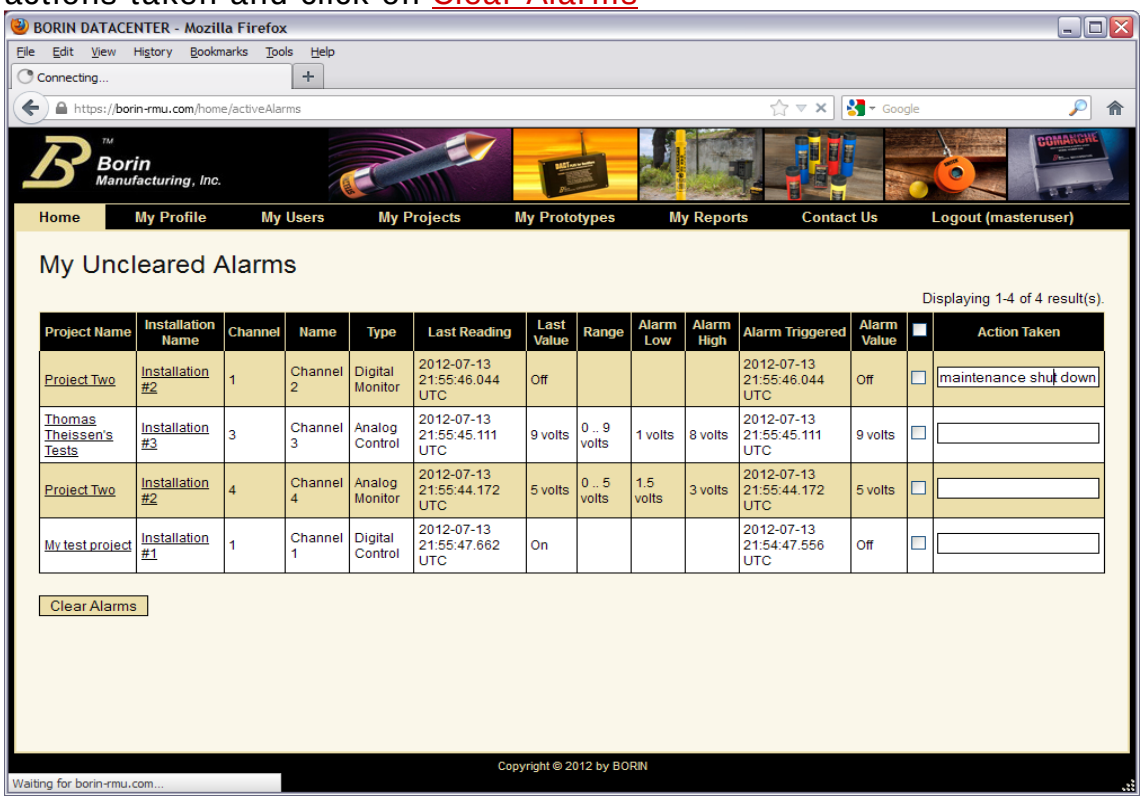
5. ALARMS HANDLING

5 .1 Alarms in Data Center

You can see your alarm messages in 3 windows:

1. Home page. Includes the alarm messages for all the installations of all the projects.
2. Channels Update includes the alarm messages for the selected installation.
3. Installation Alarms log includes the history of alarm messages for the selected installation.

Alarms should be cleared only when an action has been taken to correct the alarm state. A note of the action taken has to be entered in the system to enable alarm clear, for example “power is on after maintenance”. If the alarm is cleared but the variable is still in alarm status a new alarm will be generated.
To clear alarms go to Home, click on You have X un-cleared alarms, write actions taken and click on Clear Alarms


BORIN DATACENTER - Mozilla Firefox
File Edit View History Bookmarks Tools Help
Connecting...
https://borin-rmu.com/home/activeAlarms
Google
Borin Manufacturing, Inc.
Home
My Profile
My Users
My Projects
My Prototypes
My Reports
Contact Us
Logout (masteruser)
My Uncleared Alarms
Displaying 1-4 of 4 result(s).
Project Name | Installation Name | Channel | Name | Type | Last Reading | Last Value | Range | Alarm Low | Alarm High | Alarm Triggered | Alarm Value | Action Taken
Project Two | Installation #2 | 1 | Channel 2 | Digital Monitor | 2012-07-13 21:55:46.044 UTC | Off | | | | 2012-07-13 21:55:46.044 UTC | Off | maintenance shut down
Thomas Theissen's Tests | Installation #3 | 3 | Channel 3 | Analog Control | 2012-07-13 21:55:45.111 UTC | 9 volts | 0 .. 9 volts | 1 volts | 8 volts | 2012-07-13 21:55:45.111 UTC | 9 volts |
Project Two | Installation #2 | 4 | Channel 4 | Analog Monitor | 2012-07-13 21:55:44.172 UTC | 5 volts | 0 .. 5 volts | 1.5 volts | 3 volts | 2012-07-13 21:55:44.172 UTC | 5 volts |
My test project | Installation #1 | 1 | Channel 1 | Digital Control | 2012-07-13 21:55:47.662 UTC | On | | | | 2012-07-13 21:54:47.556 UTC | Off |
Clear Alarms
Copyright © 2012 by BORIN
Waiting for borin-rmu.com...

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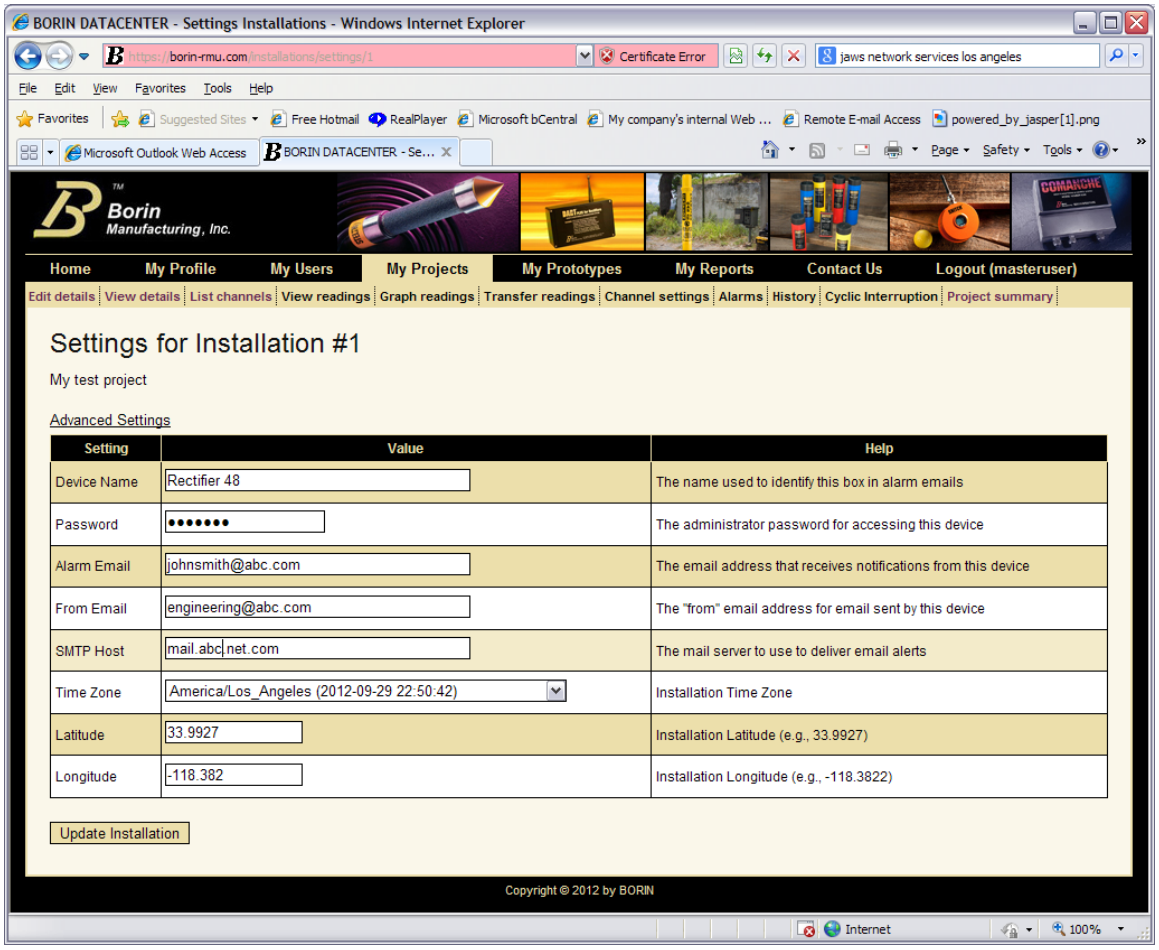
5 .2 E-mail Alarms

Alarms will be sent by e-mail as per the parameters set at the Device Settings window.
To set e-mail configuration go to My Projects, select project, select installation, go to Device settings. Fill out the information and Update Installation.



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